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APPLICATION NO.	FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/796,522	10/796,522 03/09/2004		Joseph F. Poduslo	07039-351002 2632	
4743	7590	08/15/2006		EXAMINER	
		TEIN & BORUN	CHERNYSH	CHERNYSHEV, OLGA N	
233 S. WAC SEARS TO		VE, SUITE 6300		ART UNIT	PAPER NUMBER
CHICAGO,				1649	

DATE MAILED: 08/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Office Action Summary		10/796,522	PODUSLO ET AL.		
		Examiner	Art Unit		
		Olga N. Chernyshev	1649		
Period fe	The MAILING DATE of this communication apports Reply	ears on the cover sheet with the c	orrespondence address		
WHI( - Exte after - if NO - Failt Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION  16(a). In no event, however, may a reply be time  ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I.  lely filed  the mailing date of this communication.  O (35 U.S.C. § 133).		
Status					
·	Responsive to communication(s) filed on <u>26 Ju</u> This action is <b>FINAL</b> . 2b) This Since this application is in condition for allowant closed in accordance with the practice under <i>E</i>	action is non-final. ace except for formal matters, pro			
Disposit	ion of Claims				
5)□ 6)⊠ 7)⊠ 8)□ <b>Applicat</b> 9)□	Claim(s) 31-68 is/are pending in the application 4a) Of the above claim(s) 47 and 51-66 is/are we claim(s) is/are allowed.  Claim(s) 31-34,36-44,49,50,67 and 68 is/are reclaim(s) 35, 45-46 and 48 is/are objected to.  Claim(s) are subject to restriction and/or ion Papers  The specification is objected to by the Examiner	rithdrawn from consideration.  rjected.  relection requirement.			
	The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Extended to be the Extended to be a second or declaration.	drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority (	under 35 U.S.C. § 119				
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachmen		_			
2)  Notic 3)  Infor	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:			

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# **DETAILED ACTION**

# Response to Amendment

1. Claim 31 has been amended and claims 67-68 have been added as requested in the amendment filed on July 26, 2006. Following the amendment, claims 31-68 are pending in the instant application.

Claims 47 and 51-66 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention. Applicant timely traversed the restriction (election) requirement in the reply filed on February 27, 2006.

Claims 31-46, 48-50 and 67-68 are under examination in the instant office action.

- 2. In response to Applicant's request at p. 7, section I with respect to claims 51-56, the Examiner acknowledges that if the generic claim 31 is found to be allowable, all species would be examined.
- 3. The Text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 4. Any objection or rejection of record, which is not expressly repeated in this action has been overcome by Applicant's response and withdrawn.
- 5. Applicant's arguments filed on July 26, 2006 have been fully considered but they are not deemed to be persuasive for the reasons set forth below.

Claim Rejections - 35 USC § 102

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6. Claims 31-34, 42 and 43, as amended, and new claims 67-68 are rejected under 35 U.S.C. 102(b) as being anticipated by Saito et al., 1995 for those reasons of record as applied to claims 31-34, 42 and 43 in section 13 of Paper mailed on April 26, 2006.

Applicant traverses the rejection on the premises that the amendment to claim 31, which defines a non-Aβ polypeptide as "a diagnostic or therapeutic agent for a disorder of the central nervous system (CNS)", eliminates Saito as prior art because an OX26 monoclonal antibody used in Saito reference does not represent a diagnostic or therapeutic agent for CNS. Applicant's arguments have been fully considered but are not persuasive for the following reasons.

At p. 6, line 8-9 of the instant specification it is stated: "Aβ polypeptides can be linked to any non-Aβ polypeptide, and in particular, to any polypeptide that is useful for diagnosis or treating a disorder of the CNS". Thus, the specification encompasses any non-Aβ polypeptides with a preference on those that are useful in diagnosis or treatment of CNS but with no exclusiveness to any particular ones. Thus, Saito et al. reference remains a proper prior art publication and, therefore, the instant rejection is maintained.

# Claim Rejections - 35 USC § 103

7. Claim 44 stands rejected under 35 U.S.C. 103(a) as being unpatentable over Saito et al., 1995 for reasons of record in section 15 of Paper mailed on April 26, 2006.

Applicant argues that "Saito does not teach that the Aβ polypeptide enhances transport across the blood brain barrier (BBB)" and further that "upon review od Saito, one skilled in the art would not be motivated to conjugate Aβ to a diagnostic or therapeutic agent for CNS

disorders" (pp. 10-11, section VI of the Response). Applicant's arguments have been fully considered but are not persuasive for reasons that follow.

There appears to be no disagreement that the instant invention and research data disclosed in the article by Saito are predicated on the different approaches. However, the claim 44, as written, is directed to a composition comprising an  $A\beta$  1-42 peptide linked to a non- $A\beta$  polypeptide, with no reference to mechanisms of transport across the BBB or better delivery systems. The Examiner maintains that because it is well known in the art that the two most common forms of  $A\beta$  polypeptides are 1-40 and 1-42, therefore one skilled in the art would have been motivated to substitute  $A\beta$  1-40 of Saito for  $A\beta$  1-42 isoform, and that further that to use  $A\beta$  1-42 isoform instead of  $A\beta$  1-40 to construct a known chimeric peptide does not represent a novel inventive concept.

8. Claims 36-40 and 49-50 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Saito et al. and further in view of Solomon et al., 1999 (WO 99/60024) for reasons of record in section 16 of Paper mailed on April 26, 2006.

Applicant traverses the instant rejection by arguing that Saito et al. reference does not disclose the claimed composition, similarly to the arguments as applied to claim 44 above. Applicant's arguments have been fully considered but are not persuasive because, as fully explained earlier (see section 7 of the instant office action), the Examiner maintains that because the instant claims encompass a composition comprising a chimeric polypeptide and further in view of the decision in *In re Hyatt* ("During patent examination, the pending claims must be "given \*>their< broadest reasonable interpretation consistent with the specification." *In re Hyatt*, 211 F.3d 1367, 1372, 54 USPQ2d 1664, 1667 (Fed. Cir. 2000). Applicant always has the

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opportunity to amend the claims during prosecution, and broad interpretation by the examiner reduces the possibility that the claim, once issued, will be interpreted more broadly than is justified. *In re Prater*, 415 F.2d 1393, 1404-05, 162 USPQ 541, 550-51 (CCPA 1969)"), the only limitations that are considered relevant with respect to prior art analysis, are the limitations describing the structure of the claimed protein. Because Saito et al. reference teaches each and every element of the recited structure, the conditions for proper art rejection are met.

9. Claim 41 stands rejected under 35 U.S.C. 103(a) as being unpatentable over Saito et al. and further in view of US Patent 5,670,477, for reasons of record in section 17 of Paper mailed on April 26, 2006.

Similarly, Applicant's reasoning that Saito et al. article does not disclose the claimed  $A\beta$  polypeptide linked to an antibody is not persuasive (see explanations in sections 7-8 of the instant office action) and the instant rejection is maintained.

# Conclusion

- 10. Claims 31-34, 36-44, 49-50 and 67-68 are rejected. Claims 35, 45-46 and 48 are objected to for being dependent on the rejected claim, but are considered free of prior art and potentially allowable if rewritten in independent form to include all the limitations of the base claims.
- 11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

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the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Olga N. Chernyshev whose telephone number is (571) 272-0870. The examiner can normally be reached on 8:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet L. Andres can be reached on (571) 272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Olga N. Chernyshev, Ph.D.

Primary Examiner
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